

Mr. Howard K. Kothe

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October 13, 1961

The range of nicotine contents to which the tobacco composition should be brought should be discussed from the viewpoint of the amount of nicotine in the smoke.

You asked for additional materials which might be used with the resin to make it adhere. We suggest the use of honey, molasses, corn syrup, or any other similar "sticky" material.

In a telephone conversation with Mr. Helferich yesterday, I asked if this application could not be revised and mailed to us in time to reach here on October 18th or 19th, at the latest. We are very anxious to have the revised version so that it can be discussed before I see you in your offices on Monday, the 23rd. Mr. Helferich felt that it would be possible for you to get it out in that length of time. We will appreciate greatly your trying to do so.

I shall look forward to seeing you on the 23rd.

Sincerely yours,



(Mrs.) Thelma C. Heatwole
Patent Liaison Officer

TCH:je

Enclosures

cc: Dr. A. Bavley
Mr. Frank E. Resnik

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October 13, 1961

Mr. Howard K. Kothe
Watson Leavenworth Kelton & Taggart
100 Park Avenue
New York 17, New York

Re: Addition of Nicotine
to Tobacco Smoke (PM 374)
Helf. # 582-383

Dear Mr. Kothe:

Dr. Bavley and Mr. Resnik have reviewed the application on the Addition of Nicotine to Tobacco Smoke and I am returning to you all three copies. Pencilled notes have been made in the margin of one of the copies. These notes will answer most of the questions which you have asked in your letter of October 9, 1961. When you send a revised copy to me, would you please return the copy which has the pencilled notes on it?

In this letter I am adding some material which can be coordinated with the pencilled notes. Your question concerning the statement on page 2, line 22, about decomposition of nicotine:

The statement is true.

On page 4, line 10, the particle shape of the cation exchange resin is discussed. The particle shape is of no importance. Usually the resin is purchased as a spherical shape. However, the resin and the nicotine resin can be ground into fine particles.

The method of measuring the amount of nicotine as given on page 5, line 7, is not satisfactory. See the pencilled notes in the margin. On page 6 the preference for hydrogen type ion resins is stated accurately. On page 7, line 7:

Since this process of incorporating nicotine into the resin is a chemical reaction, totally different from that described by Kingsbury, it would be best to de-emphasize anything about adsorption.

The resins mentioned on page 11, lines 9 to 19, are satisfactory. Any resin in which nicotine can be incorporated would be satisfactory.